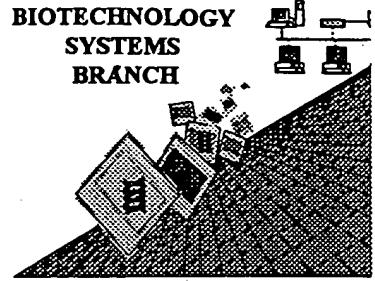


*For*

# RAW SEQUENCE LISTING

## ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/230,111A

Art Unit / Team No.:

1642

Date Processed by STIC:

5/19/2000

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JUN 10 2000  
TC 1500 MAIL ROOM

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

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**BEST AVAILABLE COPY**

1642

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/230,111A

DATE: 05/19/2000  
TIME: 12:21:57

Input Set : A:\48962apl.app  
Output Set: N:\CRF3\05182000\I230111A.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Sato, Taka-Aki  
4 YANAGISAWA, Junn  
6 <120> TITLE OF INVENTION: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN  
7 SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR)  
8 DOMAIN AND USES THEREOF  
10 <130> FILE REFERENCE: 48962-A-PCT-US  
12 <140> CURRENT APPLICATION NUMBER: 09/230,111A  
13 <141> CURRENT FILING DATE: 1999-05-17  
15 <160> NUMBER OF SEQ ID NOS: 33  
17 <170> SOFTWARE: PatentIn Ver. 2.1  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 4  
21 <212> TYPE: PRT  
22 <213> ORGANISM: Artificial Sequence  
24 <220> FEATURE:  
25 <223> OTHER INFORMATION: Description of Artificial  
26 Sequence:source:synthesized  
28 <400> SEQUENCE: 1  
W--> 29 Xaa Leu Gly Xaa *see item 10 on Env Summary sheet*  
30 1  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 6  
35 <212> TYPE: PRT  
36 <213> ORGANISM: Artificial Sequence  
38 <220> FEATURE:  
39 <223> OTHER INFORMATION: Description of Artificial  
40 Sequence:source:synthesized  
42 <400> SEQUENCE: 2  
W--> 43 Xaa Xaa Xaa Leu Gly Xaa *same env*  
44 1 5  
47 <210> SEQ ID NO: 3  
48 <211> LENGTH: 4  
49 <212> TYPE: PRT  
50 <213> ORGANISM: Artificial Sequence  
52 <220> FEATURE:  
53 <223> OTHER INFORMATION: Description of Artificial  
54 Sequence:source:synthesized  
56 <400> SEQUENCE: 3  
57 Ser Leu Gly Ile  
58 1  
61 <210> SEQ ID NO: 4  
62 <211> LENGTH: 3  
63 <212> TYPE: PRT  
64 <213> ORGANISM: Artificial Sequence  
66 <220> FEATURE:  
67 <223> OTHER INFORMATION: Description of Artificial  
68 Sequence:source:synthesized

RECEIVED

JUN - 8 2000

TC 1000 MAIL ROOM

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/230,111A

DATE: 05/19/2000  
TIME: 12:21:57

Input Set : A:\48962apl.app  
Output Set: N:\CRF3\05182000\I230111A.raw

70 <400> SEQUENCE: 4  
W--> 71 Xaa Xaa Xaa *des 10*  
72 1  
75 <210> SEQ ID NO: 5  
76 <211> LENGTH: 15  
77 <212> TYPE: PRT  
78 <213> ORGANISM: human  
80 <400> SEQUENCE: 5  
81 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val  
82 1 5 10 15  
85 <210> SEQ ID NO: 6  
86 <211> LENGTH: 15  
87 <212> TYPE: PRT  
88 <213> ORGANISM: rat  
90 <400> SEQUENCE: 6  
91 Ser Ile Ser Asn Ser Arg Asn Glu Asn Glu Gly Gln Ser Leu Glu  
92 1 5 10 15  
95 <210> SEQ ID NO: 7  
96 <211> LENGTH: 15  
97 <212> TYPE: PRT  
98 <213> ORGANISM: mouse  
100 <400> SEQUENCE: 7  
101 Ser Thr Pro Asp Thr Gly Asn Glu Asn Glu Gly Gln Cys Leu Glu  
102 1 5 10 15  
105 <210> SEQ ID NO: 8  
106 <211> LENGTH: 4  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Artificial Sequence  
110 <220> FEATURE:  
111 <223> OTHER INFORMATION: Description of Artificial  
112 Sequence:source:synthesized  
114 <400> SEQUENCE: 8  
115 Glu Ser Leu Val  
116 1  
119 <210> SEQ ID NO: 9  
120 <211> LENGTH: 6  
121 <212> TYPE: PRT  
122 <213> ORGANISM: Artificial Sequence  
124 <220> FEATURE:  
125 <223> OTHER INFORMATION: Description of Artificial Sequence:  
126 source:synthesized  
128 <400> SEQUENCE: 9  
129 Thr Ile Gln Ser Val Ile  
130 1 5  
133 <210> SEQ ID NO: 10  
134 <211> LENGTH: 8  
135 <212> TYPE: PRT  
136 <213> ORGANISM: Artificial Sequence  
138 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 05/19/2000  
PATENT APPLICATION: US/09/230,111A TIME: 12:21:57

Input Set : A:\48962apl.app  
Output Set: N:\CRF3\05182000\I230111A.raw

139 <223> OTHER INFORMATION: Description of Artificial  
140 Sequence:source:synthesized  
142 <400> SEQUENCE: 10  
143 Arg Gly Phe Ile Ser Ser Leu Val  
144 1 5  
147 <210> SEQ ID NO: 11  
148 <211> LENGTH: 8  
149 <212> TYPE: PRT  
150 <213> ORGANISM: Artificial Sequence  
152 <220> FEATURE:  
153 <223> OTHER INFORMATION: Description of Artificial  
154 Sequence:source:synthesized  
156 <400> SEQUENCE: 11  
157 Arg Glu Thr Ile Glu Ser Thr Val  
158 1 5  
161 <210> SEQ ID NO: 12  
162 <211> LENGTH: 11  
163 <212> TYPE: PRT  
164 <213> ORGANISM: Artificial Sequence  
166 <220> FEATURE:  
167 <223> OTHER INFORMATION: Description of Artificial  
168 Sequence:source:synthesized  
170 <400> SEQUENCE: 12  
171 Gln Asn Phe Arg Thr Tyr Ile Val Ser Phe Val  
172 1 5 10  
175 <210> SEQ ID NO: 13  
176 <211> LENGTH: 13  
177 <212> TYPE: PRT  
178 <213> ORGANISM: Artificial Sequence  
180 <220> FEATURE:  
181 <223> OTHER INFORMATION: Description of Artificial  
182 Sequence:source:synthesized  
184 <400> SEQUENCE: 13  
185 Ser Asp Ser Asn Met Asn Met Asn Glu Leu Ser Glu Val  
186 1 5 10  
189 <210> SEQ ID NO: 14  
190 <211> LENGTH: 15  
191 <212> TYPE: PRT  
192 <213> ORGANISM: Artificial Sequence  
194 <220> FEATURE:  
195 <223> OTHER INFORMATION: Description of Artificial  
196 Sequence:source:synthesized  
198 <400> SEQUENCE: 14  
199 Pro Pro Thr Cys Ser Gln Ala Asn Ser Gly Arg Ile Ser Thr Leu  
200 1 5 10 15  
203 <210> SEQ ID NO: 15  
204 <211> LENGTH: 15  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 05/19/2000  
PATENT APPLICATION: US/09/230,111A TIME: 12:21:57

Input Set : A:\48962apl.app  
Output Set: N:\CRF3\05182000\I230111A.raw

208 <220> FEATURE:  
209 <223> OTHER INFORMATION: Description of Artificial  
210 Sequence:source:synthesized  
212 <400> SEQUENCE: 15  
213 Ile Asp Leu Ala Ser Glu Phe Leu Phe Leu Ser Asn Ser Phe Leu  
214 1 5 10 15  
217 <210> SEQ ID NO: 16  
218 <211> LENGTH: 15  
219 <212> TYPE: PRT  
220 <213> ORGANISM: Artificial Sequence  
222 <220> FEATURE:  
223 <223> OTHER INFORMATION: Description of Artificial  
224 Sequence:source:synthesized  
226 <400> SEQUENCE: 16  
227 Asp Ser Glu Met Tyr Asn Phe Arg Ser Gln Leu Ala Ser Val Val  
228 1 5 10 15  
231 <210> SEQ ID NO: 17  
232 <211> LENGTH: 15  
233 <212> TYPE: PRT  
234 <213> ORGANISM: Artificial Sequence  
236 <220> FEATURE:  
237 <223> OTHER INFORMATION: Description of Artificial  
238 Sequence:source:synthesized  
240 <400> SEQUENCE: 17  
241 Ile Pro Pro Asp Ser Glu Asp Gly Asn Glu Glu Gln Ser Leu Val  
242 1 5 10 15  
245 <210> SEQ ID NO: 18  
246 <211> LENGTH: 4  
247 <212> TYPE: PRT  
248 <213> ORGANISM: Artificial Sequence  
250 <220> FEATURE:  
251 <223> OTHER INFORMATION: Description of Artificial  
252 Sequence:source:synthesized  
254 <400> SEQUENCE: 18  
255 Gln Ser Leu Val  
256 1  
259 <210> SEQ ID NO: 19  
260 <211> LENGTH: 5  
261 <212> TYPE: PRT  
262 <213> ORGANISM: Artificial Sequence  
264 <220> FEATURE:  
265 <223> OTHER INFORMATION: Description of Artificial Sequence:source  
266 synthesized  
268 <400> SEQUENCE: 19  
269 Ile Gln Ser Leu Val  
270 1 5  
273 <210> SEQ ID NO: 20  
274 <211> LENGTH: 6  
275 <212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 05/19/2000  
 PATENT APPLICATION: US/09/230,111A TIME: 12:21:57

Input Set : A:\48962apl.app  
 Output Set: N:\CRF3\05182000\I230111A.raw

```

276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial
280   Sequence:source:synthesized
282 <400> SEQUENCE: 20
283 Glu Ile Gln Ser Leu Val
284   1      5
287 <210> SEQ ID NO: 21
288 <211> LENGTH: 7
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial
294   Sequence:source:synthesized
296 <400> SEQUENCE: 21
297 Asn Glu Ile Gln Ser Leu Val
298   1      5
301 <210> SEQ ID NO: 22
302 <211> LENGTH: 8
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial
308   Sequence:source:synthesized
310 <400> SEQUENCE: 22
311 Arg Asn Glu Ile Gln Ser Leu Val
312   1      5
315 <210> SEQ ID NO: 23
316 <211> LENGTH: 15
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial
322   Sequence:source:synthesized
324 <400> SEQUENCE: 23
325 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val
326   1      5      10      15
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 427
331 <212> TYPE: PRT
332 <213> ORGANISM: human
334 <400> SEQUENCE: 24
335 Met Gly Ala Gly Ala Thr Gly Arg Ala Met Asp Gly Pro Arg Leu Leu
336   1      5      10      15
338 Leu Leu Leu Leu Gly Val Ser Leu Gly Gly Ala Lys Glu Ala Cys
339   20      25      30
341 Pro Thr Gly Leu Tyr Thr His Ser Gly Glu Cys Cys Lys Ala Cys Asn
342   35      40      45
344 Leu Gly Glu Gly Val Ala Gln Pro Cys Gly Ala Asn Gln Thr Val Cys

```

fyi  
 J

**Please Note:**

**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.**

VERIFICATION SUMMARY DATE: 05/19/2000  
PATENT APPLICATION: US/09/230,111A TIME: 12:21:58

Input Set : A:\48962apl.app  
Output Set: N:\CRF3\05182000\I230111A.raw

L:29 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1  
L:29 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1  
L:29 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1  
L:43 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:43 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:43 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2  
L:71 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:71 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:71 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4  
L:1558 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:31  
L:1558 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:31  
L:1558 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:31  
L:1572 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:32  
L:1572 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32  
L:1572 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32  
L:1586 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:33  
L:1586 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33  
L:1586 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:33